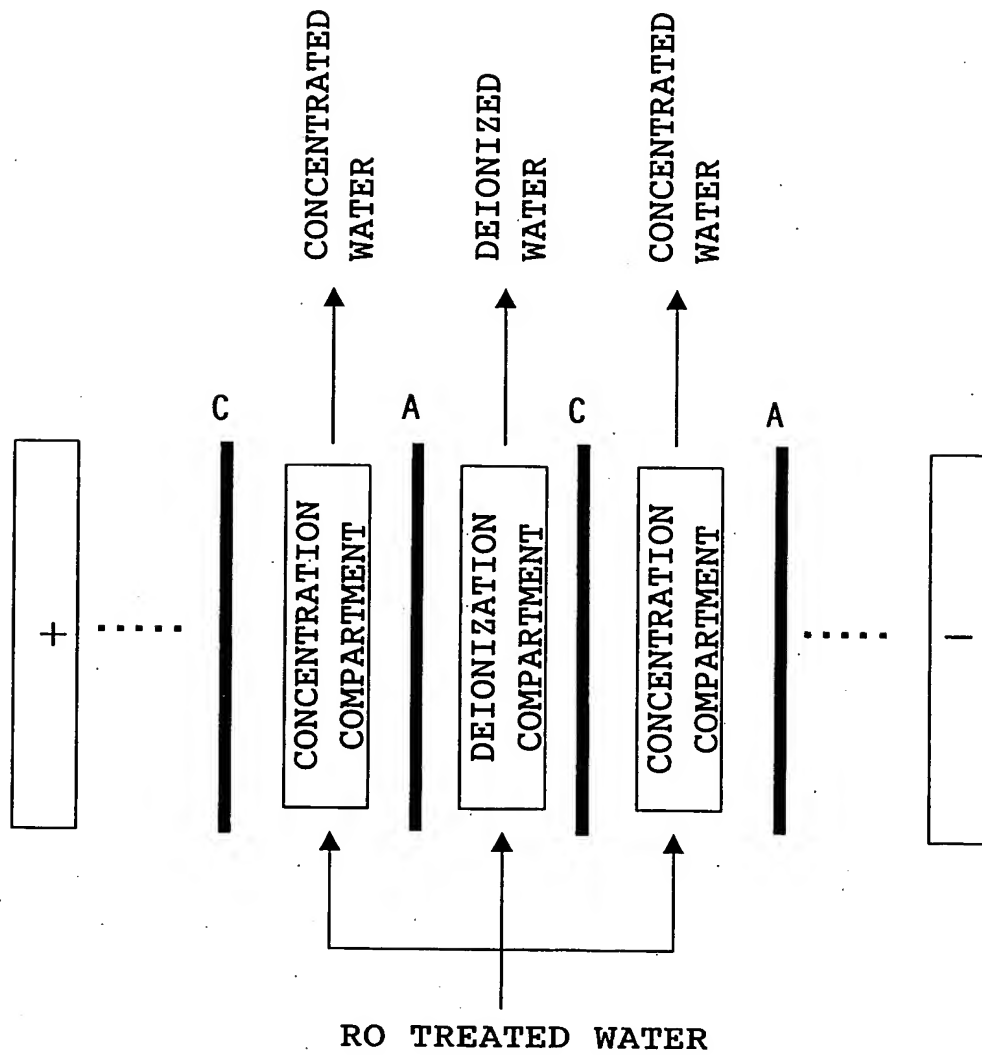


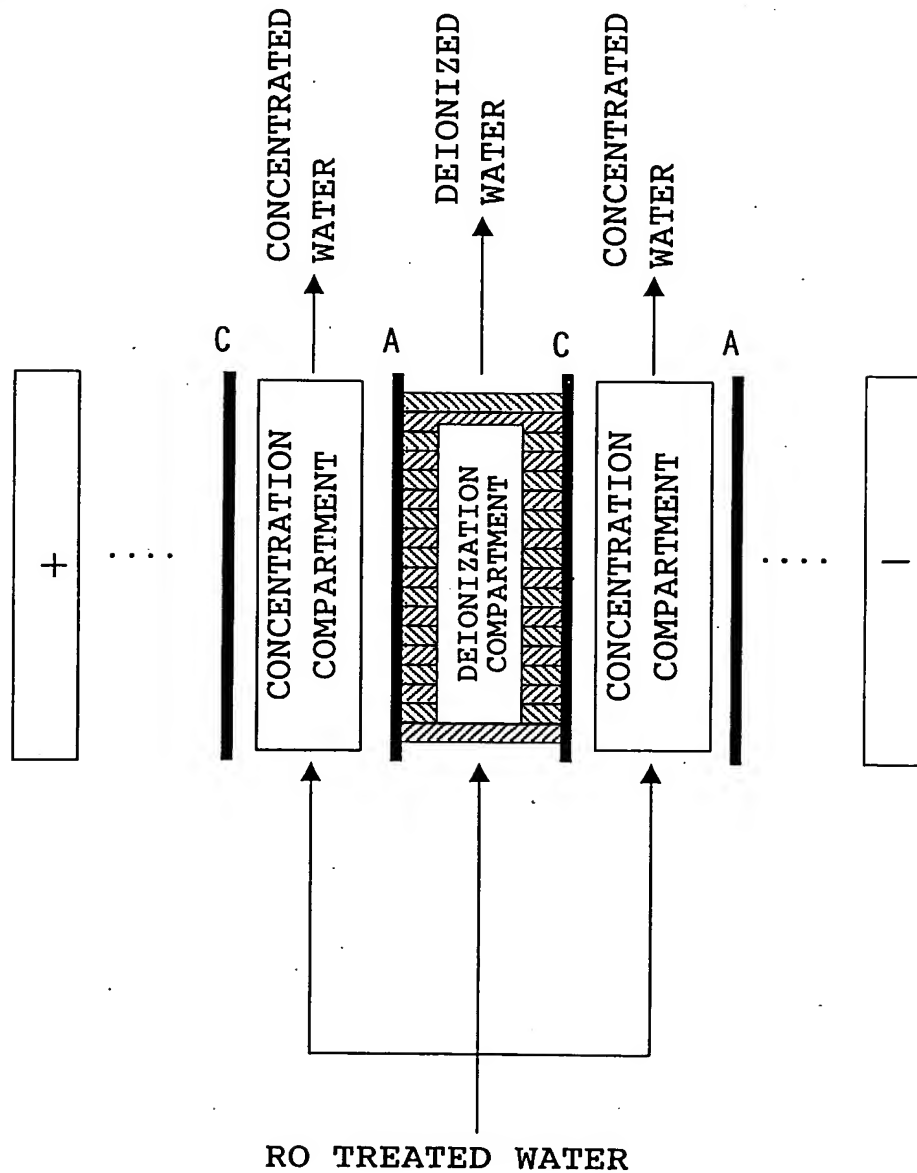
10/540570

FIG. 1



10/540570

FIG. 2

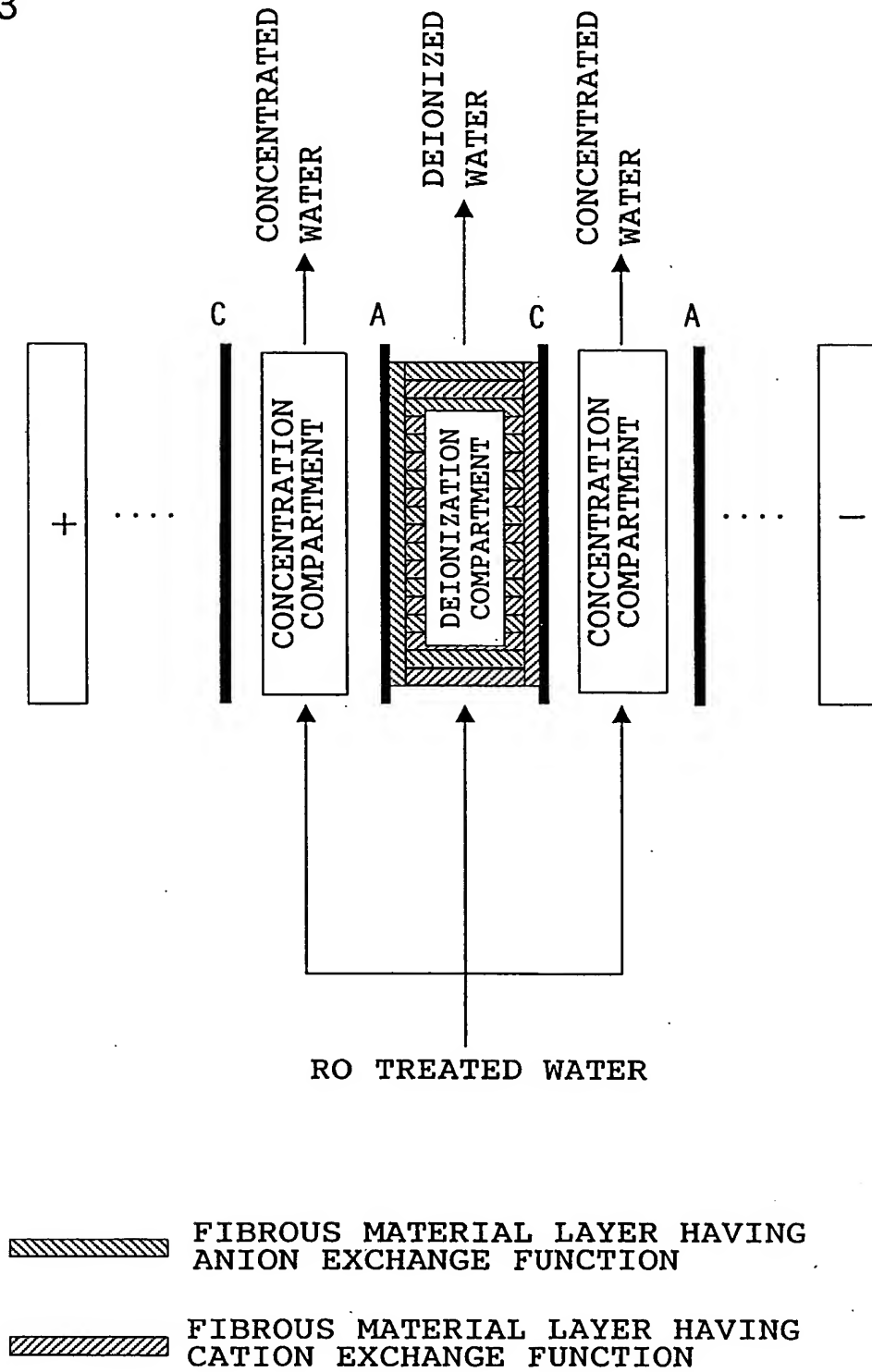


 FIBROUS MATERIAL LAYER HAVING ANION EXCHANGE FUNCTION

 FIBROUS MATERIAL LAYER HAVING CATION EXCHANGE FUNCTION

10/540570

FIG. 3



10/540570

FIG. 4

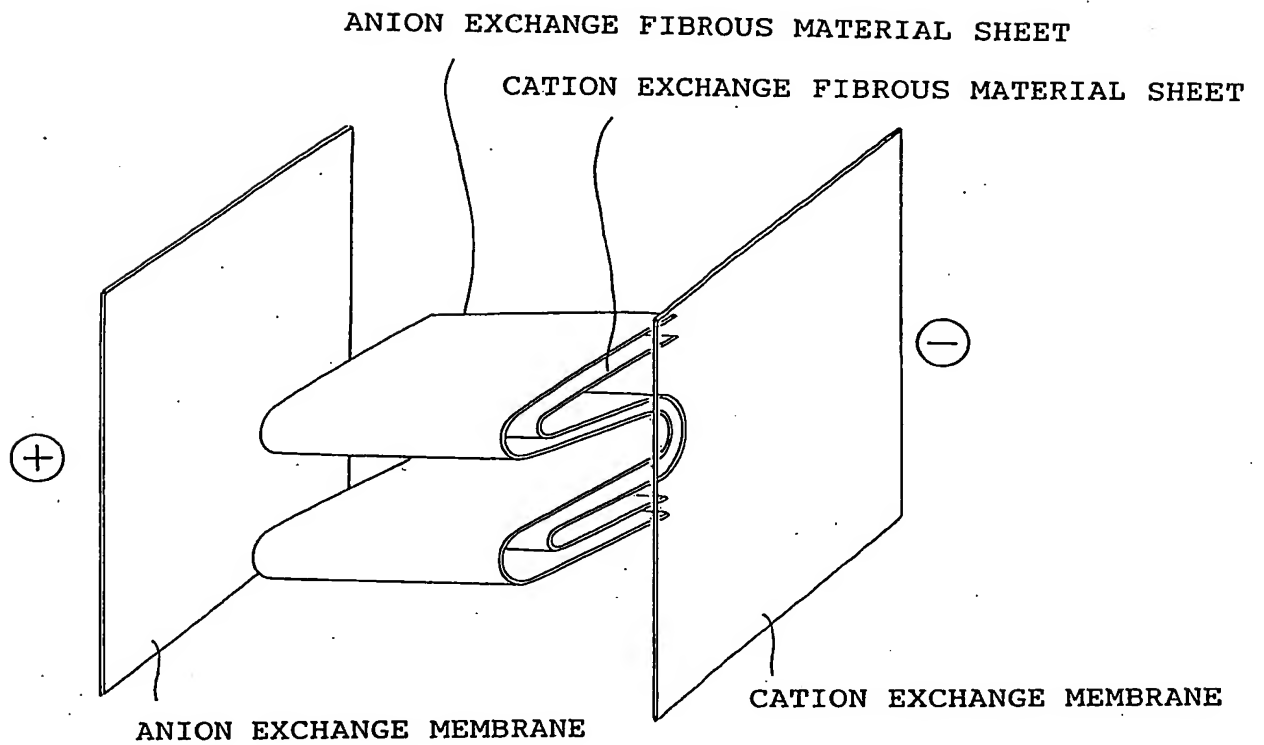
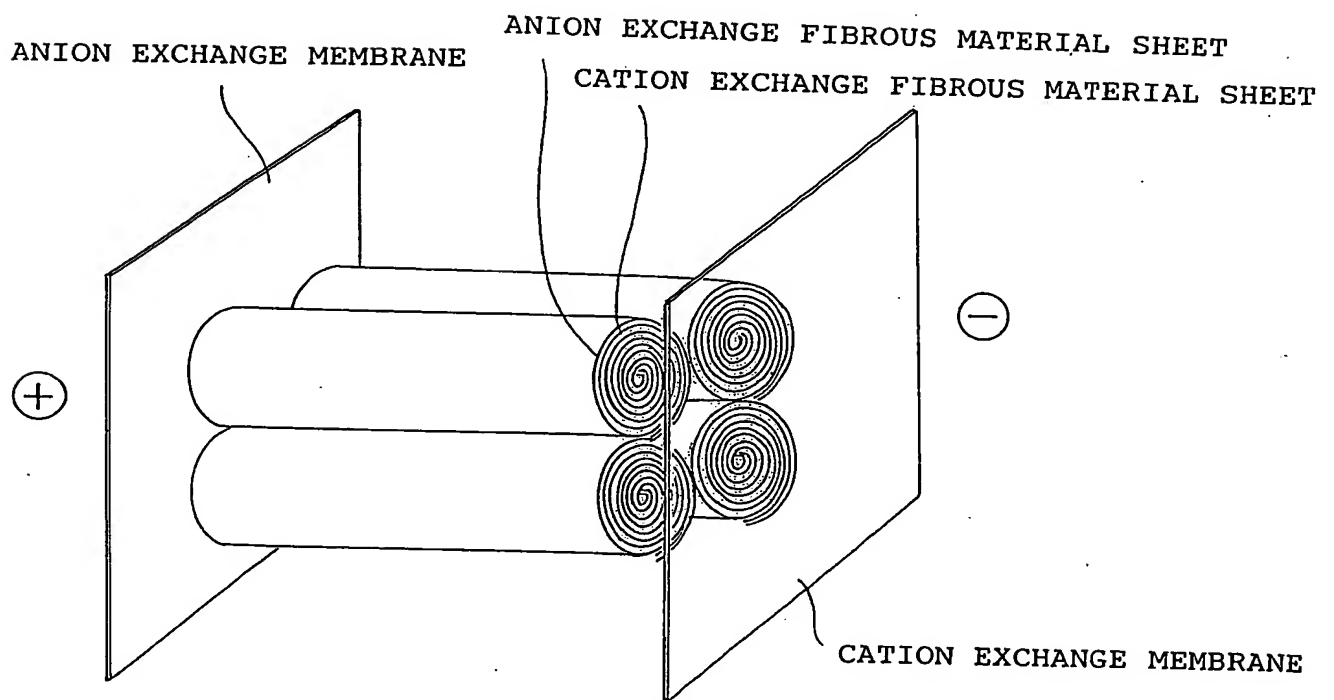
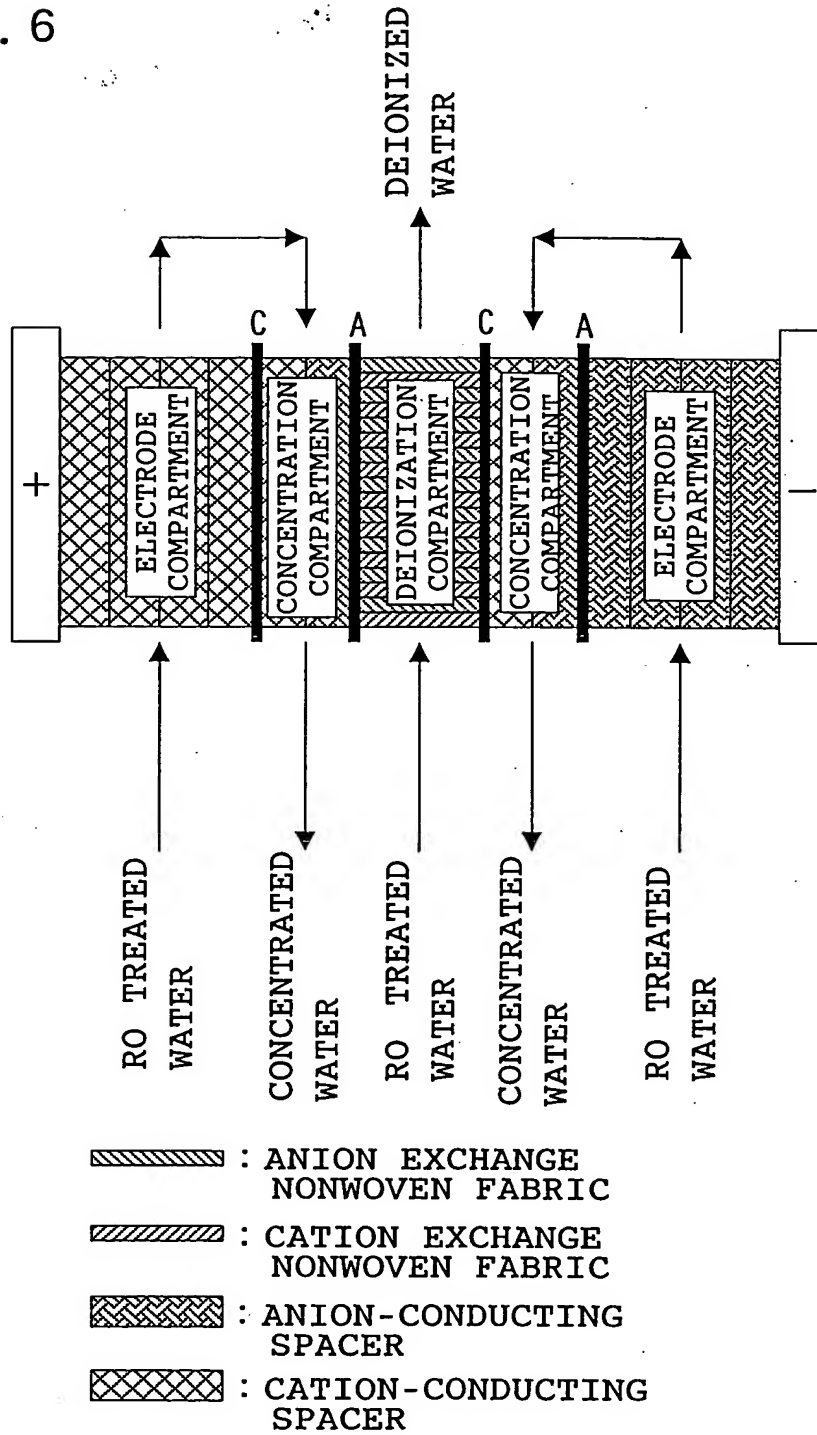


FIG. 5



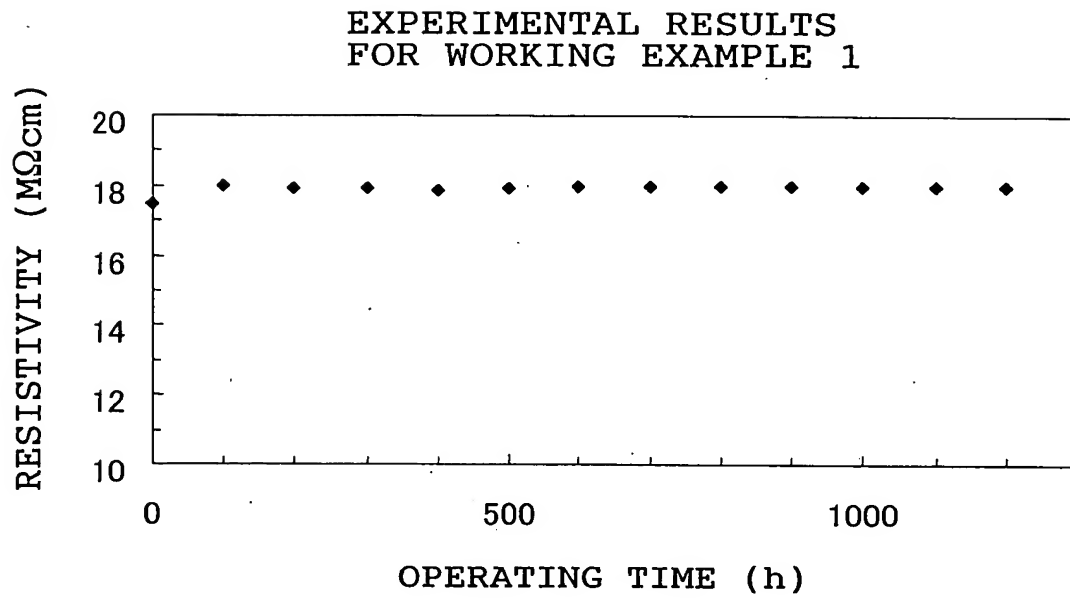
10/540570

FIG. 6



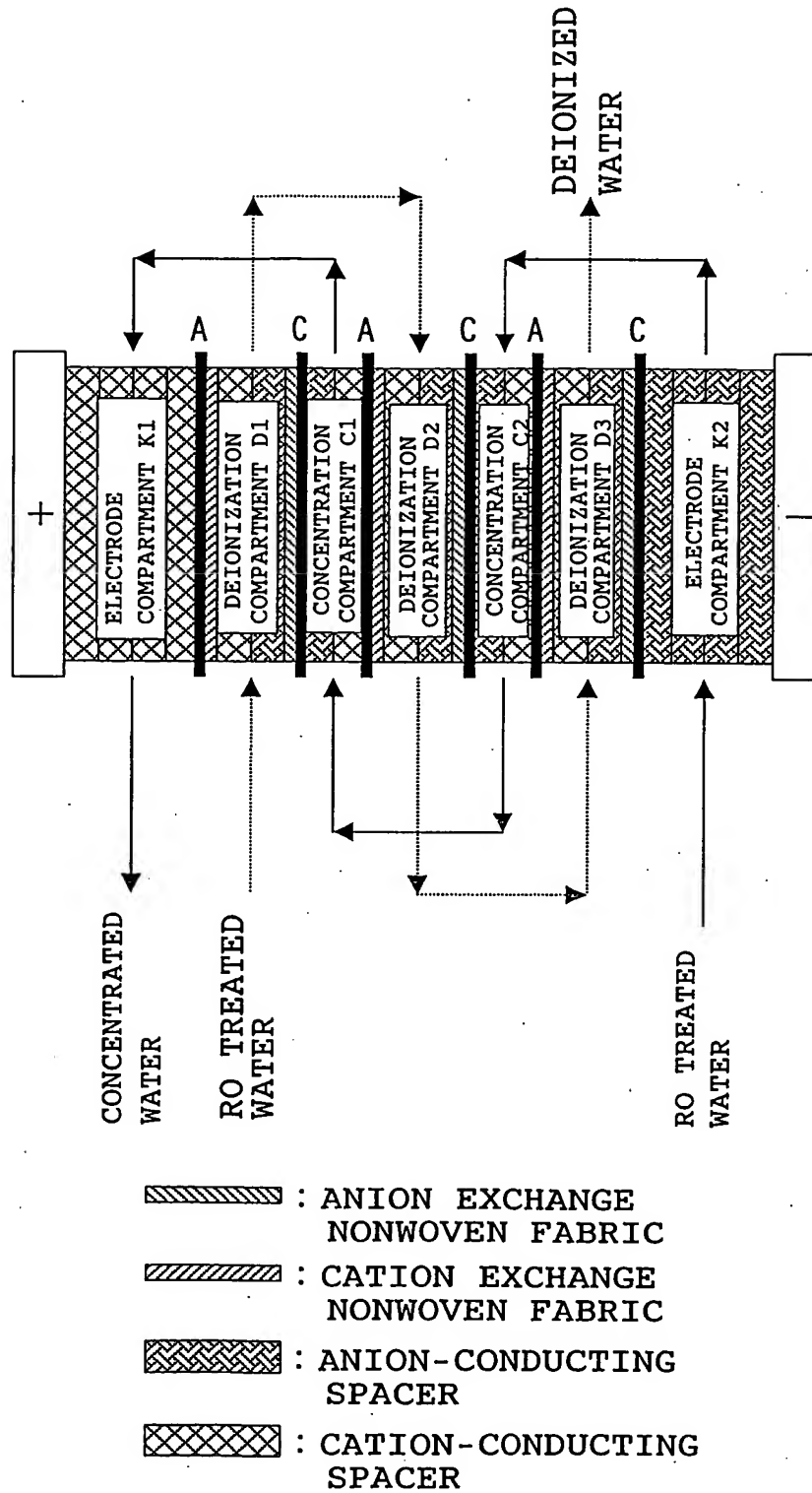
10/540570

FIG. 7

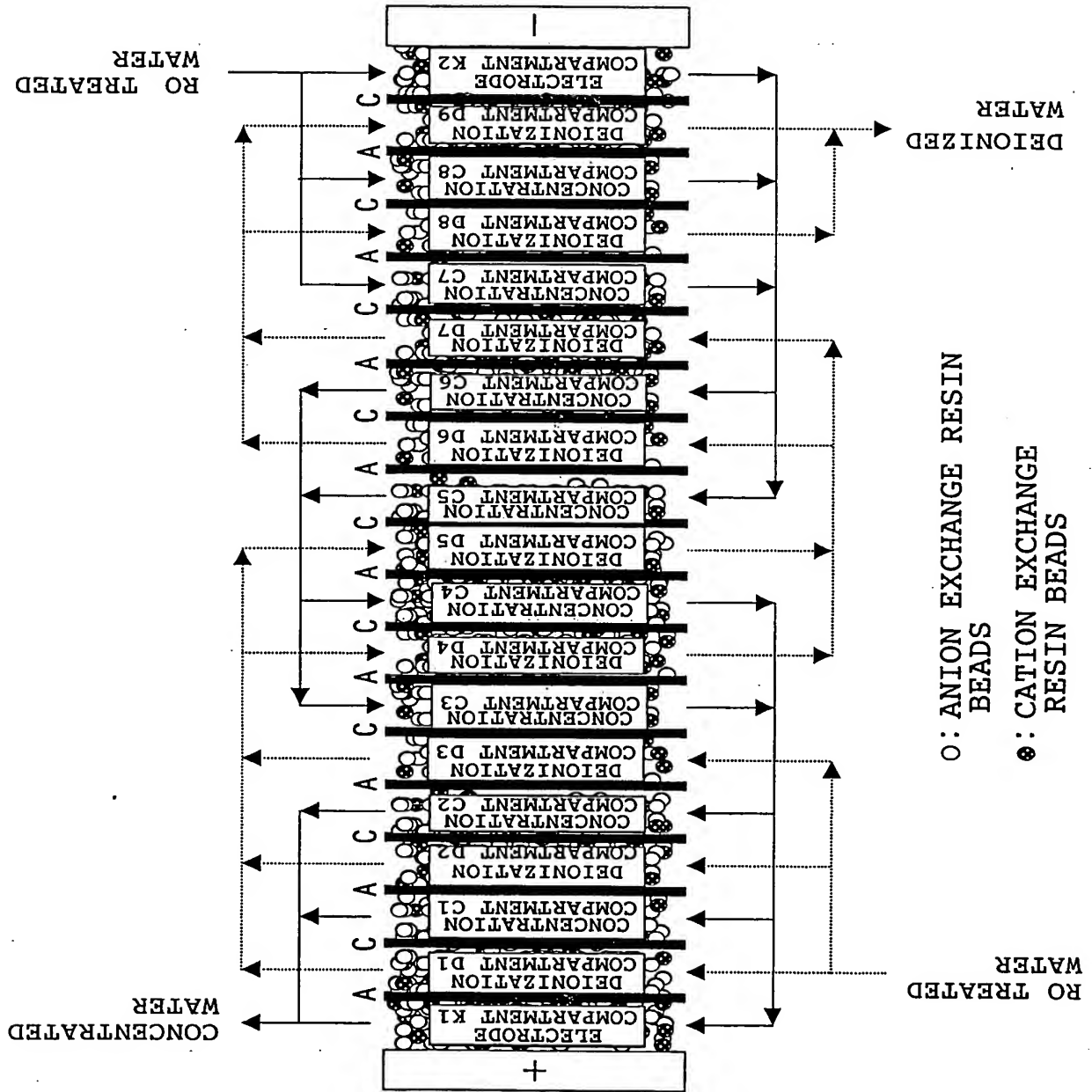


10/540570

FIG. 8

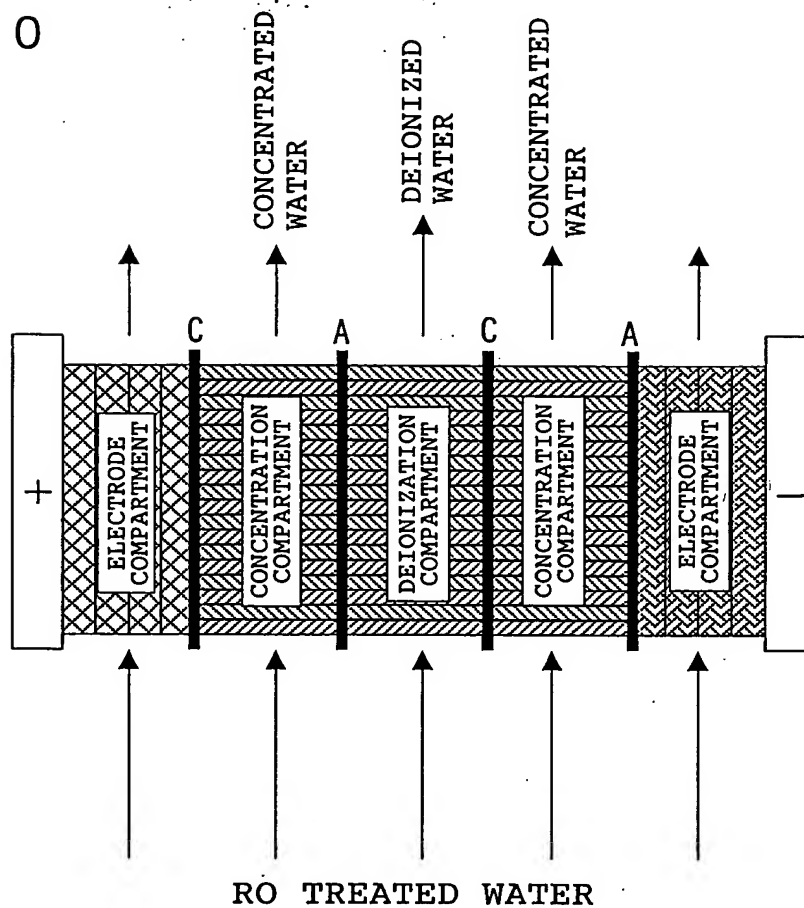


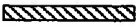







10/540570

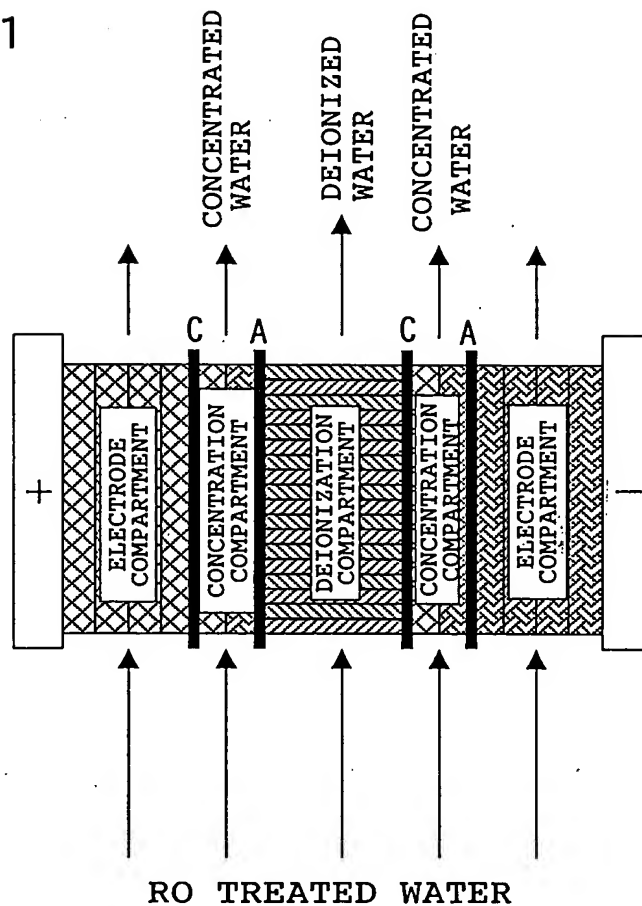
FIG. 10







-  : ANION EXCHANGE NONWOVEN FABRIC
-  : CATION EXCHANGE NONWOVEN FABRIC
-  : ANION-CONDUCTING SPACER
-  : CATION-CONDUCTING SPACER

10/540570

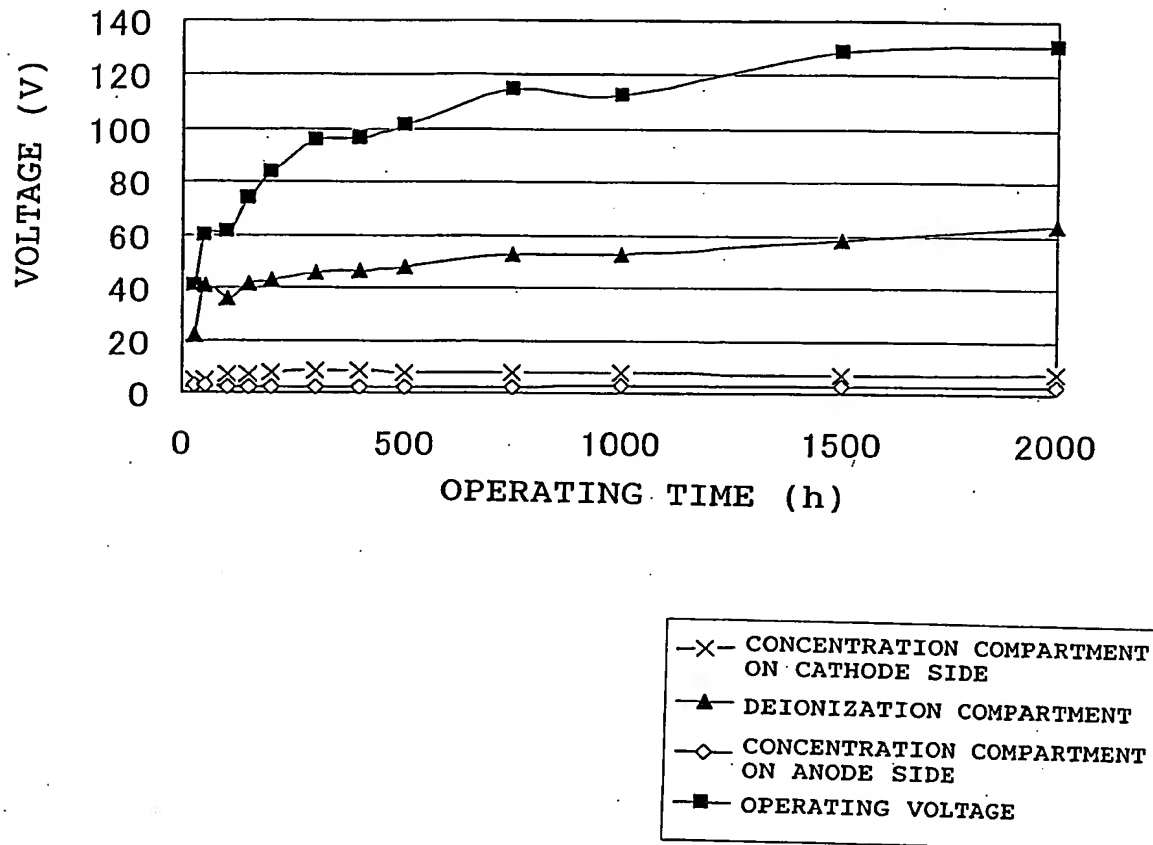
FIG. 1 1



-  : ANION EXCHANGE  
NONWOVEN FABRIC
-  : CATION EXCHANGE  
NONWOVEN FABRIC
-  : ANION-CONDUCTING  
SPACER
-  : CATION-CONDUCTING  
SPACER

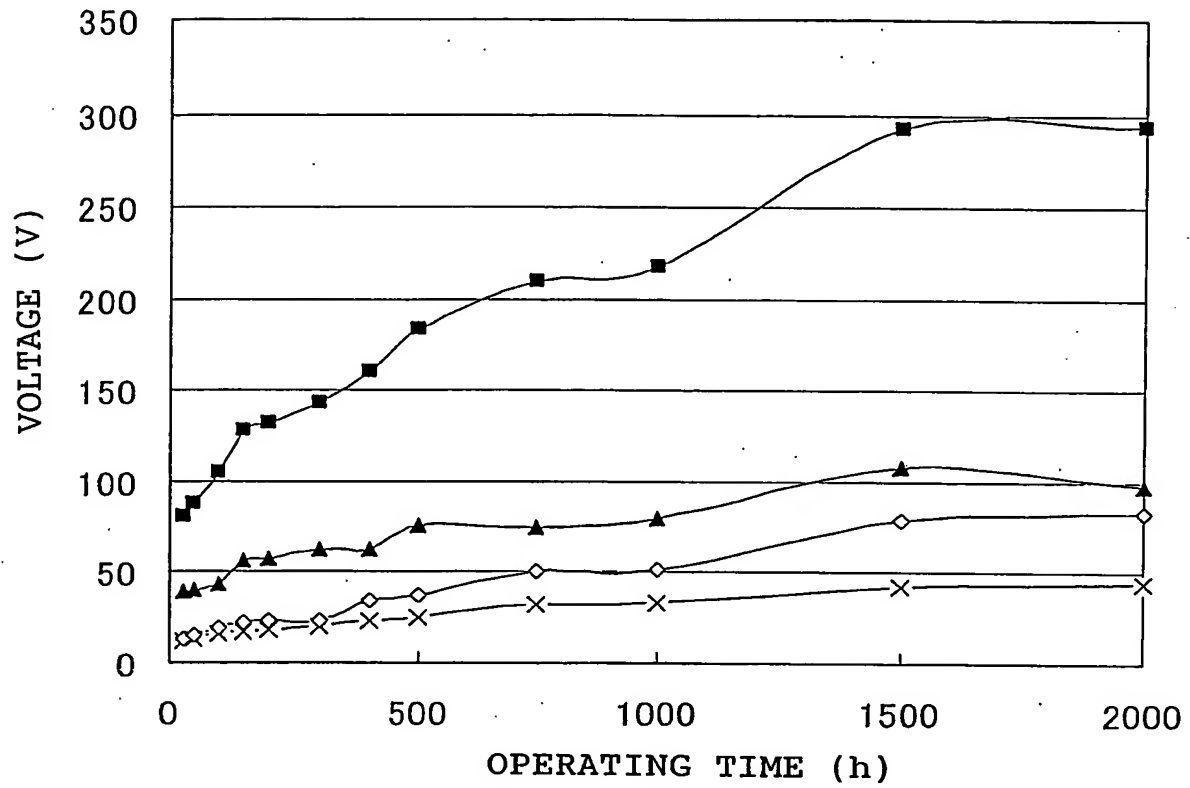
10/540570

FIG. 1 2



10/540570

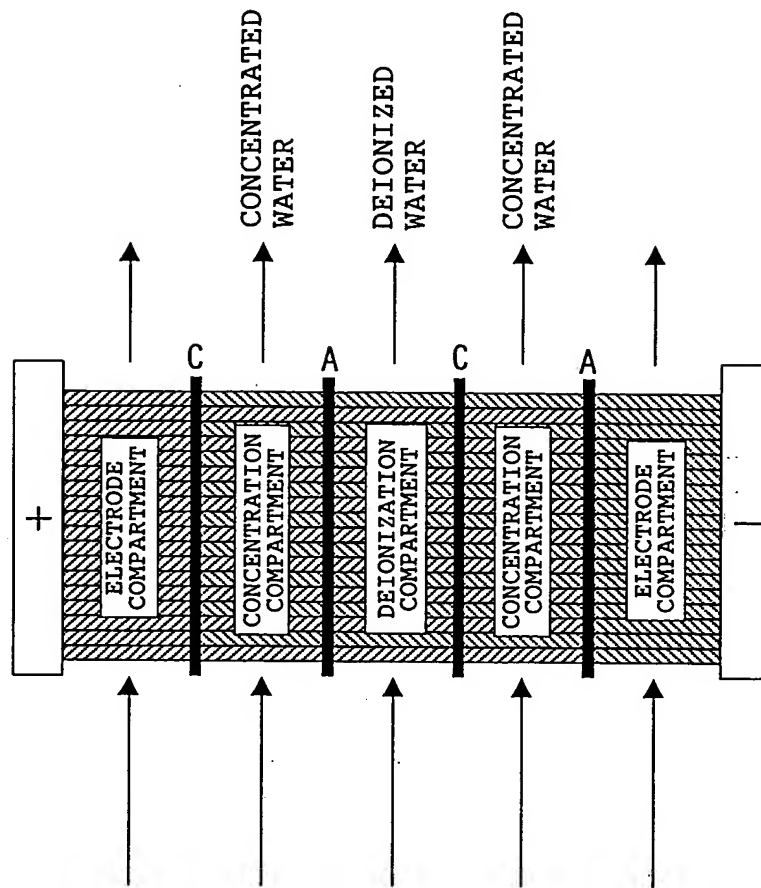
FIG. 1 3



- X- CONCENTRATION COMPARTMENT ON CATHODE SIDE
- ▲- DEIONIZATION COMPARTMENT
- ◇- CONCENTRATION COMPARTMENT ON ANODE SIDE
- OPERATING VOLTAGE

10/540570

FIG. 1 4



RO TREATED WATER


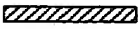
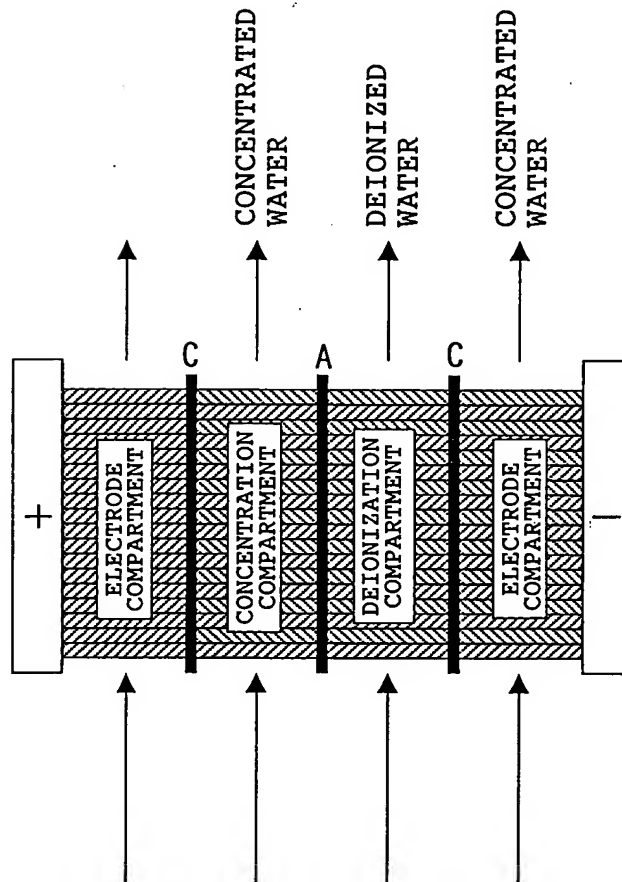
 : ANION EXCHANGE  
NONWOVEN FABRIC  
 : CATION EXCHANGE  
NONWOVEN FABRIC

FIG. 1 5



RO TREATED WATER



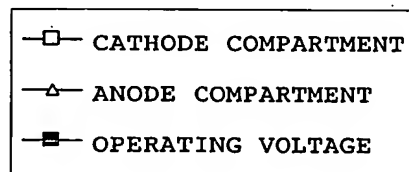
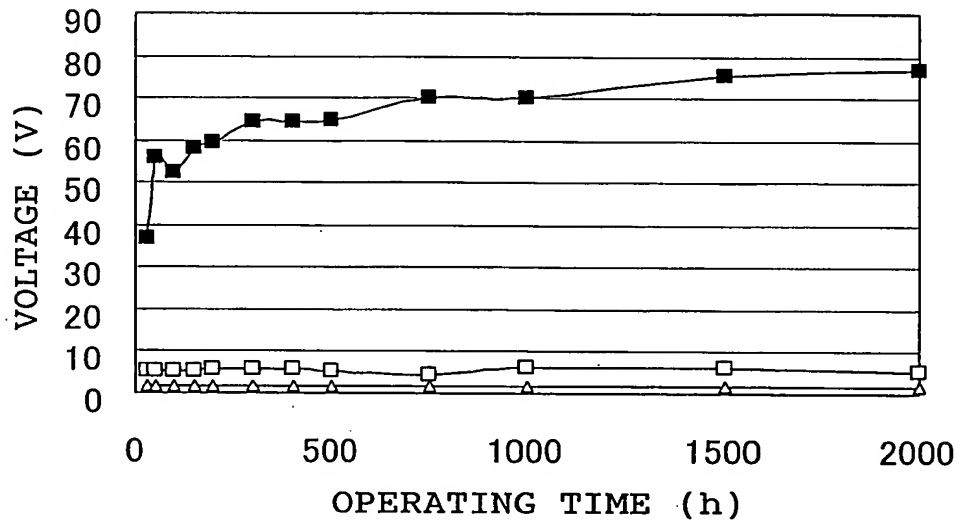
 : ANION EXCHANGE  
NONWOVEN FABRIC  
 : CATION EXCHANGE  
NONWOVEN FABRIC

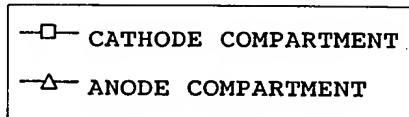
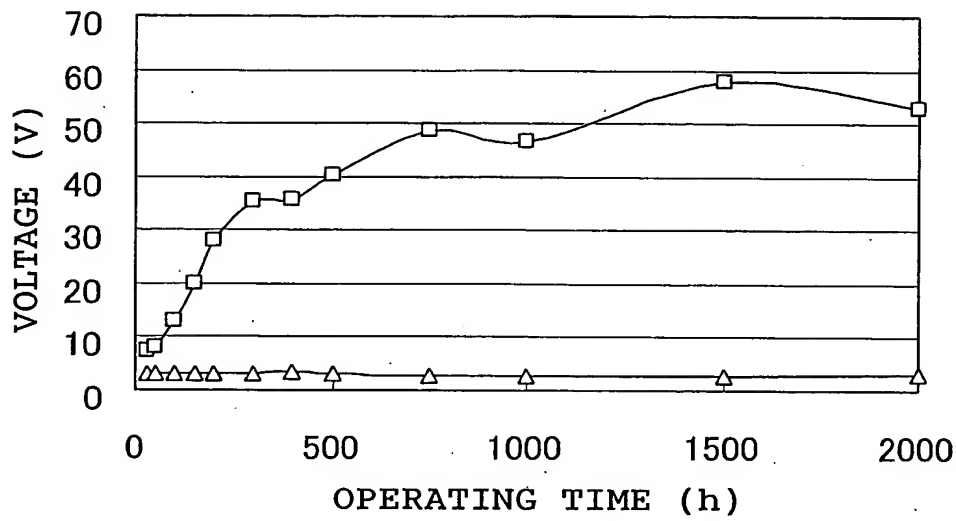
FIG. 1 6





10/540570

FIG. 1 7



10/540570

FIG. 1 8

